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Db 301 TGGGTCATAGCCCAAGTGGCGGCCACACGCTTCAGCATACAGTGGCTGACGAC 360
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Db 1141 AACAATTAAGTTATGA 1155

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RESULT 2
US-09-128-602B-11
; Sequence 11, Application us/09128602B
; Patent No. 641423
; GENERAL INFORMATION:
; APPLICANT: Kodali, Dharm
; APPLICANT: Pan, Zhong
; APPLICANT: Debonte, Lorin R.
; TITLE OF INVENTION: PLANTS, SEEDS AND OILS HAVING AN ELEVATED TOTAL MONOUNSATURATED
; FILE OF INVENTION: FATTY ACID CONTENT
; FILE REFERENCE: 07148-072001
; CURRENT APPLICATION NUMBER: US/09/128, 602B
; FILING DATE: 1998-08-03
; NUMBER OF SEQ ID NOS: 68

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 1155
; TYPE: DNA
; ORGANISM: Brassica napus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1) ... (1152)
US-09-128-602B-11

Query Match      100.0%; Score 1155; DB 4; Length 1155.
Best Local Similarity 100.0%; Pred. No. 1.5e-311;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGGTCAGGTGGAAGATGCAAGTGTCTCCCTCCAAAAGCTGAACCGACAC 60
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DB 1081 AAGGAGTGTATCTATGTGGACCGGACGAGGAGTGAAGAAGGTGTCTGGTAC 1140
QY 1141 AACATTAAGTTATGA 1155
DB 1141 AACATTAAGTTATGA 1155

RESULT 3
US-09-995-297-11
; Sequence 11, Application US/0995297
; Patent No. 6639782
; GENERAL INFORMATION:
; APPLICANT: Kodali, Dharma
; APPLICANT: Fan, Zhesong
; APPLICANT: DeBonte, Lorin R.
; TITLE OF INVENTION: PLANTS, SEEDS AND OILS HAVING AN ELEVATED TOTAL MONOUNSATURATED
; FILE REFERENCE: 07148-072002
; CURRENT APPLICATION NUMBER: US/09/995,297
; PRIOR FILING DATE: 2001-11-27
; PRIOR APPLICATION NUMBER: US 09/128,602
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 1155
; TYPE: DNA
; ORGANISM: Brassica napus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1152)
US-09-995-297-11

Query Match 100.0%; Score 1155; DB 4; Length 1155;
Best Local Similarity 100.0%; Pred. No. 1.5e-311;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGGTGACGATGGAAGATGCAAGTGTCTCTCCCTCCAAAAGTCTGAAACCGACAAC 60
DB 1 ATGGGTGACGATGGAAGATGCAAGTGTCTCTCCCTCCAAAAGTCTGAAACCGACAAC 60
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DB 361 ACCGTGGGCTCATCTTCCACT 420
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DB 1141 AACATTAAGTTATGA 1155

RESULT 4
US-09-354-231B-9
; Sequence 9, Application US/09354231B
; Patent No. 6342658
; GENERAL INFORMATION:
; APPLICANT: DeBonte, Lorin R.
; APPLICANT: Shorrosh, Basil S.
; TITLE OF INVENTION: FATTY ACID DESATURASES AND MUTANT SEQUENCES THEREOF
; FILE REFERENCE: 07148-063002
; CURRENT APPLICATION NUMBER: US/09/354,231B
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: US 08/874,109

/ NUMBER OF SEQ ID NOS: 69
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 9
/ LENGTH: 1155
/ TYPE: DNA
/ ORGANISM: Brassica napus
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (1) ... (1152)
US-09-354-231B-9

Query Match 99.9%; Score 1153.4; DB 3; Length 1155;
Best Local Similarity 99.9%; Pred. No. 4.2e-311;
Matches 1154; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1 ATGGGTGACGAGTGAAGTGAAGTGTCTCTCCCTCCAAAAGCTGAACCGGCAAC 60
DB 1 ATGGGTGACGAGTGAAGTGAAGTGTCTCTCCCTCCAAAAGCTGAACCGGCAAC 60
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DB 61 ATCAAGCGCGTACCTGCGAGACACCGCCCTTCACTGTGAGAACTCAAGAAAGCATC 120
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DB 121 CCACGCGACTGTTTCAACGCTCGATCCCTGCTTTTCTCTACTCATCTGGAGATC 180
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DB 1141 AACAAATTAAGTTATGA 1155
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RESULT 5
US-09-128-602B-9
Sequence 9, Application US/09128602B
Patent No. 6414223
GENERAL INFORMATION:
APPLICANT: Kodali, Dharma
APPLICANT: Pan, Zhegong
TITLE OF INVENTION: PLANTS, SEEDS AND OILS HAVING AN ELEVATED TOTAL MONOUNSATURATED
FILE REFERENCE: 07148-072001
CURRENT APPLICATION NUMBER: US/09/128,602B
NUMBER OF SEQ ID NOS: 68
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9
LENGTH: 1155
TYPE: DNA
ORGANISM: Brassica napus
FEATURE:
NAME/KEY: CDS
LOCATION: (1) ... (1152)
US-09-128-602B-9

Query Match 99.9%; Score 1153.4; DB 4; Length 1155;
Best Local Similarity 99.9%; Pred. No. 4.2e-311;
Matches 1154; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1 ATGGGTGACGAGTGAAGTGAAGTGTCTCTCCCTCCAAAAGCTGAACCGGCAAC 60
DB 1 ATGGGTGACGAGTGAAGTGAAGTGTCTCTCCCTCCAAAAGCTGAACCGGCAAC 60
QY 61 ATCAAGCGCGTACCTGCGAGACACCGCCCTTCACTGTGAGAACTCAAGAAAGCATC 120
DB 61 ATCAAGCGCGTACCTGCGAGACACCGCCCTTCACTGTGAGAACTCAAGAAAGCATC 120
QY 121 CCACGCGACTGTTTCAACGCTCGATCCCTGCTTTTCTCTACTCATCTGGAGATC 180
DB 121 CCACGCGACTGTTTCAACGCTCGATCCCTGCTTTTCTCTACTCATCTGGAGATC 180
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DB 181 ATCATAGCTCTGCTCTACTACGTCGCGACCACTACTTCCCTCTCCCTCAACCT 240
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[illegible][illegible]

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Db 1081 AAGGAGTATCTATGAGAACCGGACAGGCAAGTGAAGAAGGTGTTCTGATAC 1140
Qy 1141 AACATATAGTTATGA 1155
Db 1141 AACATATAGTTATGA 1155

RESULT 7
US-09-133-962A-3
; Sequence 3, Application US/09133962A
; Patent No. 6372965
; GENERAL INFORMATION:
; APPLICANT: JONATHAN EDWARD LIGHTNER
; JOHN JOSEPH OKULEY
; TITLE OF INVENTION: GENES FOR MICROSOFTAL FATTY ACID
; DELTA-12 DESATURASES AND RELATED
; ENZYMES FROM PLANTS
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: E. I. DU PONT DE NEMOURS AND COMPANY
; STREET: 1007 MARKET STREET
; CITY: WILMINGTON
; STATE: DELAWARE
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 19898
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.50 INCH
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: MICROSOFT WORD FOR WINDOWS 95
; SOFTWARE: MICROSOFT WORD VERSION 7.0A
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/133,962A
; FILING DATE: 14-Aug-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. 07/977,339
; FILING DATE: 17-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHRISTENBURY, LYNN M.
; REGISTRATION NUMBER: 30,971
; REFERENCE/DOCKET NUMBER: BB-1043-D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (302) 992-5481
; TELEFAX: (302) 773-0164
; TELEEX: 835420
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1426 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Brassica napus
; FEATURE:

NAME/KEY: CDS
LOCATION: 130..1284
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-133-962A-3
Query Match 99.9%; Score 1153.4; DB 3; Length 1426;
Best Local Similarity 99.9%; Pred. No. 4,6e-311;
Matches 1154; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 ATGGGTGAGGAGTGAAGTAAGTGTCTCCCTCCAAAAGCTGAACCGCAAC 60
Db 130 ATGGGTGAGGAGTGAAGTAAGTGTCTCCCTCCAAAAGCTGAACCGCAAC 189
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Qy 721 TACCGTACGCTGCTGCTCAAGAGGTGCTGATGCTGCTTCAAGGAGTCTCTCT 780
Db 850 TACCGTACGCTGCTGCTCAAGAGGTGCTGATGCTGCTTCAAGGAGTCTCTCT 909
Qy 781 CTGATTTGCAAGCGGTTCTTAACTTTTGAATCACTTACTTGCAGACAGCATCTTCCCTG 840
Db 910 CTGATTTGCAAGCGGTTCTTAACTTTTGAATCACTTACTTGCAGACAGCATCTTCCCTG 969
Qy 841 CCTCACTATGACTGCTGATGAGGATTTGAGGAGGCTTTGGCCACCGTTGACAGA 900
Db 970 CCTCACTATGACTGCTGATGAGGATTTGAGGAGGCTTTGGCCACCGTTGACAGA 1029
Qy 901 GACTAGGGAATCTTGAACAAGGCTTCCCAATATACAGGACAGCAGTGGGCGATCAC 960
Db 1030 GACTAGGGAATCTTGAACAAGGCTTCCCAATATACAGGACAGCAGTGGGCGATCAC 1089

QY 961 CTGTTCTGACATGCGCATTTATCATGCGATGAGACTAGAGGCGATTAAGCCGATA 1020
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QY 1021 CTGAGAGATTAATCATGTTGATGAGACGCGGTGTTAAGCGATGAGAGGCG 1080
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Db 1270 AACATAGTTATGA 1284
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RESULT 8

US-08-675-650B-3
Sequence 3, Application US/08675650B
Patent No. 5850026
GENERAL INFORMATION:
APPLICANT: DeBonte, L. et al.
TITLE OF INVENTION: CAMOLA OIL HAVING INCREASED OLEIC ACID AND
TITLE OF INVENTION: DECREASED LINOLENIC ACID CONTENT
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C., P.A.
STREET: 60 South Sixth Street, Suite 3300
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,650B
FILING DATE: 03-JUL-1996
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Lundquist, Ronald C.
REGISTRATION NUMBER: 37,875
REFERENCE/DOCKET NUMBER: 07148/042001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612/335-5070
TELEFAX: 612/288-9696
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1155 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Brassica napus
IMMEDIATE SOURCE:
CLONE: IMC129
FEATURE:
OTHER INFORMATION: G to A transversion
OTHER INFORMATION: mutation at nucleotide 316 of the D form.
US-08-675-650B-3

Query Match 99.84; Score 1153; DB 2; Length 1155;
Best Local Similarity 99.84; Pred. No. 5.4e-311;
Matches 1150; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGGGTGACAGTGAAGATGCAAGTGTCTCTCCCTCCAAAAGTGTGAACGCAAC 60
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Db 1081 AAGAGATTAATCATGTTGATGAGACGCGCATGAGAGAAAGGTGTTGTTAC 1140
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Db 1 ATGGGTGACAGTGAAGATGCAAGTGTCTCTCCCTCCAAAAGTGTGAACGCAAC 60
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QY 61 ATCAAGGCGTACCTGCGGAGACACGCGCTTCACTGTGCGAAGACTCAAGAAAGCATC 120
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Db 421 CATGACGCCACCACTTCCAACTGCTGCTCTGAGAGAGAGAGAGAGAGAGAGAGAG 480
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Db 541 ATGTTAAGGTTGATGTTCACTCTGCGCTGCGCTTGTACTTGAAGTGAAGTGAAGTGA 600
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Db 1021 CTGAGAGATTAATCATGTTGATGAGACGCGGTGTTAAGCGATGAGAGGCG 1080
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Db 1081 AAGAGATTAATCATGTTGATGAGACGCGCATGAGAGAAAGGTGTTGTTAC 1140
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1 NUMBER OF SEQUENCES: 6
2 CORRESPONDENCE ADDRESS:
3 ADDRESSEE: Fish & Richardson, P.C., P.A.
4 STREET: 60 South Sixth Street, Suite 3300
5 CITY: Minneapolis
6 STATE: MN
7 COUNTRY: USA
8 ZIP: 55402
9
10 COMPUTER READABLE FORM:
11 MEDIUM TYPE: Floppy disk
12 COMPUTER: IBM PC compatible
13 OPERATING SYSTEM: PC-DOS/MS-DOS
14 SOFTWARE: Patentin Release #1.0, Version #1.30
15 CURRENT APPLICATION DATA:
16 APPLICATION NUMBER: US/08/907,608
17 FILING DATE: 08-AUG-1997
18 PRIOR APPLICATION DATA:
19 APPLICATION NUMBER: 08/675,650
20 FILING DATE: 03-JUL-1996
21 ATTORNEY/AGENT INFORMATION:
22 NAME: Lundquist, Ronald C.
23 REGISTRATION NUMBER: 37,875
24 REFERENCE/DOCKET NUMBER: 07148/042002
25 TELECOMMUNICATION INFORMATION:
26 TELEPHONE: 612/335-5070
27 TELEFAX: 612/288-9696
28 INFORMATION FOR SEQ ID NO: 3:
29 SEQUENCE CHARACTERISTICS:
30 LENGTH: 1155 base pairs
31 TYPE: nucleic acid
32 STRANDEDNESS: single
33 TOPOLOGY: linear
34 MOLECULE TYPE: DNA
35 HYPOTHEICAL: NO
36 ANTI-SENSE: NO
37 ORIGINAL SOURCE:
38 ORGANISM: Brassica napus
39 IMMEDIATE SOURCE:
40 CLONE: IMC129
41 FEATURE:
42 OTHER INFORMATION: G to A transversion
43 OTHER INFORMATION: mutation at nucleotide 316 of the D form.
44
45 US-08-907-608-3
46
47 Query Match 99.3%; Score 1147; DB 3; Length 1155;
48 Best Local Similarity 99.6%; Pred. No. 2.5e-309;
49 Matches 1150; Conservative 0; Mismatches 5; Indels 0; Gaps 0.
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51 QY 1 ATGGGTGCAGGTGGGAAGATGCAAGTGTCTCTCCCTCCAAAAGTCTGAAACCGACAAC 60
52 Db 1 ATGGGTGCAGGTGGGAAGATGCAAGTGTCTCTCCCTCCAAAAGTCTGAAACCGACAAC 60
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54 QY 61 ATCAAGCGCGTACCCCTGCGAGACACCGCCCTTCACTGTCGGAAGACTCAAGAAACAATC 120
55 Db 61 ATCAAGCGCGTACCCCTGCGAGACACCGCCCTTCACTGTCGGAAGACTCAAGAAACAATC 120
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57 QY 121 CCACCGCACTGTTTCAAAAGCTGCATCCCTCGCTTTTCTCTCACTGATCTGGACATC 180
58 Db 121 CCACCGCACTGTTTCAAAAGCTGCATCCCTCGCTTTTCTCTCACTGATCTGGACATC 180
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60 QY 121 CCAACGCACTGTTTCAAAAGCTGCATCCCTCGCTTTTCTCTCACTGATCTGGACATC 180
61 Db 121 CCAACGCACTGTTTCAAAAGCTGCATCCCTCGCTTTTCTCTCACTGATCTGGACATC 180
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64 Db 181 ATCATAGCCTCTGCTGTTTCACTAGCGTGGCAACCTTACTTCTCTCTCCCTCAACCT 240
65
66 QY 241 CTCTCTCACTTGGCTGGCTGCTCACTAGGCGCTGCGAGGCTGGCTCTTAAACGGCGTC 300
67 Db 241 CTCTCTCACTTGGCTGGCTGCTCACTAGGCGCTGCGAGGCTGGCTCTTAAACGGCGTC 300
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69 QY 301 TGGGTGATAGCCCAAGAATGCGGCGACACACGCTTCAAGGACTACCAAGTGGCTGGACGAC 360
70 Db 301 TGGGTGATAGCCCAAGAATGCGGCGACACACGCTTCAAGGACTACCAAGTGGCTGGACGAC 360
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72 QY 361 ACCGTGGCGCTCATCTTCACTCTTCTCTGTCCTTCACTTCTCTCGAAGTACAGT 420
73 Db 361 ACCGTGGCGCTCATCTTCACTCTTCTCTGTCCTTCACTTCTCTCGAAGTACAGT 420

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Db      421  CATGACGCGCCACCATTCOACACTGCGTCTCCTCGAGAGAGCGAAGTGTTCGCCAAG 480
Oy      481  AAGAAAGTCAGACATCAAGTGGTACGGGAAGTAACTCAAACAACCTTTGGGAGCGACCGTG 540
Db      481  AAGAAAGTCAGACATCAAGTGGTACGGGAAGTAACTCAAACAACCTTTGGGAGCGACCGTG 540
Oy      541  ATGTTAAACGGTTCAGTTCACCTCTCGGCGTGGCCTTTGTAAGTCAAGCTTCAACGTCTCGGGG 600
Db      541  ATGTTAAACGGTTCAGTTCACCTCTCGGCGTGGCCTTTGTAAGTCAAGCTTCAACGTCTCGGGG 600
Oy      601  AGACCTTAACGACGCGGCGCTTCGCTTGCATTTCCACCCCAACGCTCCCATCTACACAGAC 660
Db      601  AGACCTTAACGACGCGGCGCTTCGCTTGCATTTCCACCCCAACGCTCCCATCTACACAGAC 660
Oy      661  CGTAAAGGCTCTCCAGATATACATCTCCGACGCGTGGGATCTCTGCGCGCTCTGTAGAGTCTC 720
Db      661  CGCAAGGCGTCTCCAGATATACATCTCCGACGCGTGGGATCTCTGCGCGCTCTGTAGAGTCTC 720
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Db      721  TACCGCTACGCTGCTGTCCAAAGAGTTCGCTCGATGGTCTGCTCTCTCAACGAGTTCCTCTT 780
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Db      781  CTGATTTGTCAATGGGTTCTTAGTTTGTATCACTTACTTGCAGACACAGCATCTTCCCTG 840
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Db      841  CCTCACTATGACTGTCTGAGTGGGATTTGGTTGAGGGGAGCTTTGGGCCACCGTTGACAGA 900
Oy      901  GACTACGGAATCTTGAAACAAAGGTCTTCCACAATATCAACGACACGACGCTGAGCGCATCAC 960
Db      901  GACTACGGAATCTTGAAACAAAGGTCTTCCACAATATCAACGACACGACGCTGAGCGCATCAC 960
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Oy      1081  AAGGAGGTATCTATGTGGAAACCGGACAGCAAGCTAAGAAAGGATGAGTCTTGAGTAC 1140
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Db      1141  AACCAATAAGTTATGA 1155

RESULT 11
US-09-482-287-3
; Sequence 3, Application US/09482287
; Patent No. 6441278
; GENERAL INFORMATION:
; APPLICANT: DeBonte, L. et al.
; TITLE OF INVENTION: CANOLA OIL HAVING INCREASED OLEIC ACID AND
; DECREASED LINOLENIC ACID CONTENT
; NUMBER OF SOURCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C., P.A.
; STREET: 60 South Sixth Street, Suite 3300
; CITY: Minneapolis
; STATE: MN
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:

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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/482,287
FILING DATE: 13-Jan-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/907,608
FILING DATE: 08-Aug-1997
APPLICATION NUMBER: 08/675,650
FILING DATE: 03-Jul-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lundquist, Ronald C.
REGISTRATION NUMBER: 37,875
REFERENCE/DOCKET NUMBER: 07148/042002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612/335-5070
TELEFAX: 612/288-9696
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1155 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Brassica napus
IMMEDIATE SOURCE:
CLONE: IMC129
FEATURE:
OTHER INFORMATION: G to A transversion
mutation at nucleotide 316 of the D form.
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-482-287-3

Query Match 99.3%; Score 1147; DB 4; Length 1155;
Best Local Similarity 99.6%; Pred. No. 2.5e-309;
Matches 1150; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1 ATGGGTGACAGGTGGAAGATGCAAGTGTCTCTCCCTCCAAAAGCTGGAACCGACAAC 60
DB 1 ATGGGTGACAGGTGGAAGATGCAAGTGTCTCTCCCTCCAAAAGCTGGAACCGACAAC 60
QY 61 ATCAACGGGTACCTCGGACGAGACCGCCCTTCACTGTGAGAGAACTCAAGAAAGCAATC 120
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QY 481 AAGAAGTCAGACATCAAGTGTACGCGCAAGTACTCAACAACCTTTGGGACGACCGTG 540
DB 481 AAGAAGTCAGACATCAAGTGTACGCGCAAGTACTCAACAACCTTTGGGACGACCGTG 540
QY 541 ATGTAAACGGTTCAGTTCACTCTGCGCTGCGCTTGTACTTAAAGCTTCAAGCTTCGCGG 600
DB 541 ATGTAAACGGTTCAGTTCACTCTGCGCTGCGCTTGTACTTAAAGCTTCAAGCTTCGCGG 600
QY 601 AAGCTTAAAGAGGCGGCTTGGCTTCCATTTCCACCCCAAGGCTCCCACTCAACAGAC 660
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DB 661 CCGTGAAGCTCTCAAGTATACATCTCCGACGCTGACATCTGCGCTGCTACAGGTCTC 720
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QY 781 CTGATTGTCAAGGGTCTTACTTGTGATCACTTACCTTGACACACGATCCTCCCTG 840
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QY 1141 AACATTAAGTTTGA 1155
DB 1141 AACATTAAGTTTGA 1155
RESULT 12
US-09-966-888-3
Sequence 3, Application US/09966888
Patent No. 6583303
GENERAL INFORMATION:
APPLICANT: Debono, L. et al.
TITLE OF INVENTION: CANOLA OIL HAVING INCREASED OLEIC ACID AND
DECREASED LINOLENIC ACID CONTENT
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSER: Fish & Richardson, P.C., P.A.
STREET: 60 South Sixth Street, Suite 3300
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/966,888

FILING DATE: 28-Sep-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/907,608
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lundquist, Ronald C.
REGISTRATION NUMBER: 37,875
REFERENCE/DOCKET NUMBER: 07148/042002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612/335-5070
TELEFAX: 612/288-9696
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1155 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Brassica napus
IMMEDIATE SOURCE:
CLONE: IMC129
FEATURE:
OTHER INFORMATION: G to A transversion
mutation at nucleotide 316 of the D form.
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-966-888-3
Query Match 99.3%; Score 1147; DB 4; Length 1155;
Best Local Similarity 99.6%; Pred. No. 2.5e-309;
Matches 1150; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1 ATGGGTGCAAGTGAAGATGCAAGTCTCTCTCCCAAAAAGTGTGAACCGACAC 60
DB 1 ATGGGTGCAAGTGAAGATGCAAGTCTCTCTCCCAAAAAGTGTGAACCGACAC 60
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QY 301 TGGGTATAGCCCAAGTGGGCGACACGCTTCAAGCACTACCAAGTGGTGGAGAC 360
DB 301 TGGGTATAGCCCAAGTGGGCGACACGCTTCAAGCACTACCAAGTGGTGGAGAC 360
QY 361 ACCGTGGCTCACT 420
DB 361 ACCGTGGCTCACT 420
QY 421 CATGACGCAACCACT 480
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DB 481 AAGAAGTCAAGTCAAGTGGTGGGCAAGTGAAGTCAAGCAACCTTTGGAGACGAC 540
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DB 541 ATGTAAAGTCAAGTCAAGTGGTGGGCAAGTGAAGTCAAGCAACCTTTGGAGACG 600

QY 601 AGACCTTAGACAGCGGCTTGGCTTGCATTTCCACCCCAAGCTCCCATCTAACGAC 660
DB 601 AGACCTTAGACAGCGGCTTGGCTTGCATTTCCACCCCAAGCTCCCATCTAACGAC 660
QY 661 CGTGAAGCTCTCCAGATATACATCTCCGAGCTGGATCTCCGCTGCTAAGCTCTC 720
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QY 841 CCTCACTATGACTCTCTGATGAGATGATGATGAGGAGCTTTGGCCACCTTGAACA 900
DB 841 CCTCACTATGACTCTCTGATGAGATGATGATGAGGAGCTTTGGCCACCTTGAACA 900
QY 901 GACTACGGAATCTTGAACAAAGTCTTCCACATATACGAGACAGCATGCGCATCAC 960
DB 901 GACTACGGAATCTTGAACAAAGTCTTCCACATATACGAGACAGCATGCGCATCAC 960
QY 961 CTGTTCTGCAACCTGCGCATTTATCATGCGATGGAAGCTACGAAAGCGATTAAG 1020
DB 961 CTGTTCTGCAACCTGCGCATTTATCATGCGATGGAAGCTACGAAAGCGATTAAG 1020
QY 1021 CTGGAGAGATATATATCATGATGGAAGCGCGGCTTGAAGCGATGGAAGGAGCG 1080
DB 1021 CTGGAGAGATATATATCATGATGGAAGCGCGGCTTGAAGCGATGGAAGGAGCG 1080
QY 1081 AAGAGTGTATCTATGTGGAACCGGACAGGCAAGTGAAGAAAGTGTCTGATAC 1140
DB 1081 AAGAGTGTATCTATGTGGAACCGGACAGGCAAGTGAAGAAAGTGTCTGATAC 1140
QY 1141 AACATATAGTTAGA 1155
DB 1141 AACATATAGTTAGA 1155
RESULT 13
US-08-907-608-5
Sequence 5, Application US/08907608
Patent No. 6063947
GENERAL INFORMATION:
APPLICANT: Debonne, L. et al.
TITLE OF INVENTION: CANOLA OIL HAVING INCREASED OLEIC ACID AND
TITLE OF INVENTION: DECREASED LINOLENIC ACID CONTENT
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C., P.A.
STREET: 60 South Sixth Street, Suite 3300
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/907,608
FILING DATE: 08-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/675,650
FILING DATE: 03-JUL-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lundquist, Ronald C.
REGISTRATION NUMBER: 37,875
REFERENCE/DOCKET NUMBER: 07148/042002

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/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 612/335-5070
/ TELEFAX: 612/288-9696
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/   LENGTH: 1155 base pairs
/   TYPE: nucleic acid
/   STRANDEDNESS: single
/   TOPOLOGY: linear
/   MOLECULE TYPE: DNA
/   HYPOTHEICAL: NO
/   ANTI-SENSE: NO
/   ORIGINAL SOURCE:
/   ORGANISM: Brassica napus
/   FEATURE:
/   OTHER INFORMATION: Wild type D form.
US-08-907-608-5

Query Match      99.2%; Score 1145.4; DB 3; Length 1155;
Best Local Similarity 99.5%; Pred. No. 7e-309;
Matches 1149; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATGGGTGCAAGTGGAGAAATGCAAGTGTCTCTCCCTCCAAAAGTCTGAAACCGACAAAC 60
DB 1 ATGGGTGCAAGTGGAGAAATGCAAGTGTCTCTCCCTCCAAAAGTCTGAAACCGACAAAC 60
QY 61 ATCAAGCGGCTACCTCGGAGACACCGCCCTTCACTGTGAGAACTCAAGAAAGCAATC 120
DB 61 ATCAAGCGGCTACCTCGGAGACACCGCCCTTCACTGTGAGAACTCAAGAAAGCAATC 120
QY 121 CCACGCGACTGTTTCAACGCGCTGATCCCTGCTCTTCTCTACCTCACTGGGACATC 180
DB 121 CCACGCGACTGTTTCAACGCGCTGATCCCTGCTCTTCTCTACCTCACTGGGACATC 180
QY 181 ATCATAGCCCTCCGCTTCTACTACGTCGACACCACTTACTTCCCTCCCTCAACCT 240
DB 181 ATCATAGCCCTCCGCTTCTACTACGTCGACACCACTTACTTCCCTCCCTCAACCT 240
QY 241 CTCTCTACTGCTGCTGCTCTCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
DB 241 CTCTCTACTGCTGCTGCTCTCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
QY 301 TGGGTATAGCCCAAGTGGCGGACCAACGCTTCAAGCACTCAAGTGGCTGACGAC 360
DB 301 TGGGTATAGCCCAAGTGGCGGACCAACGCTTCAAGCACTCAAGTGGCTGACGAC 360
QY 361 ACCGTGGCTCTATCTTCACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 420
DB 361 ACCGTGGCTCTATCTTCACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 420
QY 421 CATGACGCGCACTTCAACACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
DB 421 CATGACGCGCACTTCAACACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
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DB 481 AAGAACTCAGACATCAAGTGGTACGCGCAAGTACTCAACAACCTTTGGGACGACCG 540
QY 541 ATGTTAAGGTTCAAGTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
DB 541 ATGTTAAGGTTCAAGTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
QY 601 AGACCTTACGACGCGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
DB 601 AGACCTTACGACGCGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
QY 661 CGTGAAGCTCTCCAGATATATACATCTCCAGCGCTGAGCATCTGCGCTGCTACGCT 720
DB 661 CGTGAAGCTCTCCAGATATATACATCTCCAGCGCTGAGCATCTGCGCTGCTACGCT 720
QY 721 TACCGTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
DB 721 TACCGTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
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DB 781 CTGATGTCAACGGGTTCTTAACTTTGATCACTTACTTGGACAGACGATCTTCCCTG 840
QY 841 CCTCATATAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
DB 841 CCTCATATAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
QY 901 GACTACGGAATCTTGAACAAAGGCTTCCCAATATCAAGGACGACGATGCGGATCAG 960
DB 901 GACTACGGAATCTTGAACAAAGGCTTCCCAATATCAAGGACGACGATGCGGATCAG 960
QY 961 CTGTTCTGACCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
DB 961 CTGTTCTGACCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
QY 1021 CTGGAGAGTATATATCAAGTTCATGAGGACCGCGGTGTTAAGCCATGTTGAGGAG 1080
DB 1021 CTGGAGAGTATATATCAAGTTCATGAGGACCGCGGTGTTAAGCCATGTTGAGGAG 1080
QY 1081 AAGAGTGTATCTATGTGGAACCGGACGCGCAAGGTGAGAAAGGTGTCTGTGATC 1140
DB 1081 AAGAGTGTATCTATGTGGAACCGGACGCGCAAGGTGAGAAAGGTGTCTGTGATC 1140
QY 1141 AACAAATTAAGTTATGA 1155
DB 1141 AACAAATTAAGTTATGA 1155

RESULT 14
US-09-354-231B-5
; Sequence 5, Application US/09354231B
; Patent No. 6342658
; GENERAL INFORMATION:
; APPLICANT: DeBont, Lorin R.
; APPLICANT: Shorttosh, Basil S.
; TITLE OF INVENTION: FATTY ACID DESATURASES AND MUTANT SEQUENCES THEREOF
; FILE REFERENCE: 07148-063002
; CURRENT APPLICATION NUMBER: US/09/354,231B
; CURRENT FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: US 08/874,109
; PRIOR FILING DATE: 1997-06-12
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1155
; TYPE: DNA
; ORGANISM: Brassica napus
; NAME/KEY: CDS
; LOCATION: (1)...(1152)
; OTHER INFORMATION: Wild type Fad2
US-09-354-231B-5

Query Match      99.2%; Score 1145.4; DB 3; Length 1155;
Best Local Similarity 99.5%; Pred. No. 7e-309;
Matches 1149; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATGGGTGCAAGTGGAGAAATGCAAGTGTCTCTCCCTCCAAAAGTCTGAAACCGACAAAC 60
DB 1 ATGGGTGCAAGTGGAGAAATGCAAGTGTCTCTCCCTCCAAAAGTCTGAAACCGACAAAC 60
QY 61 ATCAAGCGGCTACCTCGGAGACACCGCCCTTCACTGTGAGAACTCAAGAAAGCAATC 120
DB 61 ATCAAGCGGCTACCTCGGAGACACCGCCCTTCACTGTGAGAACTCAAGAAAGCAATC 120
QY 121 CCACGCGACTGTTTCAACGCGCTGATCCCTGCTCTTCTCTACCTCACTGGGACATC 180
DB 121 CCACGCGACTGTTTCAACGCGCTGATCCCTGCTCTTCTCTACCTCACTGGGACATC 180
QY 181 ATCATAGCCCTCCGCTTCTACTACGTCGACACCACTTACTTCCCTCCCTCAACCT 240
DB 181 ATCATAGCCCTCCGCTTCTACTACGTCGACACCACTTACTTCCCTCCCTCAACCT 240
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D	181	ATCATAGCCTCGTGGTTCTACTAGCTGGCAACACTTACCTTCCCTCTCTCCCTCAACCT	240
Q	241	CTCTCTTACTTGGCCTGGCTCTCTTACTTGGAGCTGCGAGAGCTGCGTCTTAA	300
D	241	CTCTCTTACTTGGCCTGGCTCTCTTACTTGGAGCTGCGAGAGCTGCGTCTTAA	300
Q	301	TGGGTCAATAGCCCAAGTGGGGCCACACGGCTTCAAGCATTAACAATGGCTGGACAC	360
D	301	TGGGTCAATAGCCCAAGTGGGGCCACACGGCTTCAAGCATTAACAATGGCTGGACAC	360
Q	361	ACCGTGGGCTCATCTTCCACTCTTCCCTCGTCCCTTACTTCTCTGGAAAGTACAGT	420
D	361	ACCGTGGGCTCATCTTCCACTCTTCCCTCGTCCCTTACTTCTCTGGAAAGTACAGT	420
Q	421	CATGAGCGCCACCATTTCCACACTGGCTCCCTCGAAGAGACGAAGTGTGTCCCAAG	480
D	421	CATGAGCGCCACCATTTCCACACTGGCTCCCTCGAAGAGACGAAGTGTGTCCCAAG	480
Q	481	AAGAAGTGACATCAAGTGGTACGGGCAAGTACCTTAA	540
D	481	AAGAAGTGACATCAAGTGGTACGGGCAAGTACCTTAA	540
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D	541	ATGTTAAAGGTTCAATCTCTCGGCTGACCTTGTACTTAAAGCTTCAACGCTTCGGGG	600
Q	601	AGACCTTACGACGCGCGCTTGGCTTGCATTTCCACCCCAACGCTCCCATTTACACGAC	660
D	601	AGACCTTACGACGCGCGCTTGGCTTGCATTTCCACCCCAACGCTCCCATTTACACGAC	660
Q	661	CGTAGAGGCTTCCAAATATATACATCCGACGCTGGCAATCTCGCGCTGAGTACGCTTC	720
D	661	CGTAGAGGCTTCCAAATATATACATCCGACGCTGGCAATCTCGCGCTGAGTACGCTTC	720
Q	721	TACCGGCTACGCTGCTGTCGCAAGAGTGGCTCGAGTGTCTGCTTACGAGTTCCTT	780
D	721	TACCGGCTACGCTGCTGTCGCAAGAGTGGCTCGAGTGTCTGCTTACGAGTTCCTT	780
Q	781	CTGATTTGCCAACGGGTTCTTAACTTATCACTTACTTTCGACGACACGCAATCTTCCCTG	840
D	781	CTGATTTGCCAACGGGTTCTTAACTTATCACTTACTTTCGACGACACGCAATCTTCCCTG	840
Q	841	CCTCACTATGACTCGTCTGAGTGGAGTGGTGAAGGGAGCTTTGGCCACGTTGTACAGA	900
D	841	CCTCACTATGACTCGTCTGAGTGGAGTGGTGAAGGGAGCTTTGGCCACGTTGTACAGA	900
Q	901	GACTACGGAATCTTGGACAAAGGCTTTCACAATATCAAGGACACGCAAGTGGCGGATAC	960
D	901	GACTACGGAATCTTGGACAAAGGCTTTCACAATATCAAGGACACGCAAGTGGCGGATAC	960
Q	961	CTGTTCTTGCACATCGCGCATTTATCATGCGATGGAAGCTACGAAGCGATTAAGCGGATA	1020
D	961	CTGTTCTTGCACATCGCGCATTTATCATGCGATGGAAGCTACGAAGCGATTAAGCGGATA	1020
Q	1021	CTGGGAGAGTATTAATCAGTTGATGGAGCGCGGAGTGAAGGCGATGGAGGGAGCG	1080
D	1021	CTGGGAGAGTATTAATCAGTTGATGGAGCGCGGAGTGAAGGCGATGGAGGGAGCG	1080
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D	1141	AACCAATAAGTTATGA	1155

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RESULT 15
US-09-128-602B-5
; Sequence 5, Application US/09128602B
; Patent No. 6414223
; GENERAL INFORMATION:
; APPLICANT: Kodaki, Dharma

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1  APPLICANT: Pan, Zhigong
2  APPLICANT: Deborte, Lorin R.
3  TITLE OF INVENTION: PLANTS, SEEDS AND OILS HAVING AN ELEVATED TOTAL MONOUNSATURATED
4  TITLE OF INVENTION: FATTY ACID CONTENT
5  FILE REFERENCE: 07148-072001
6  CURRENT APPLICATION NUMBER: US/09/128,602B
7  CURRENT FILING DATE: 1998-08-03
8  NUMBER OF SEQ ID NOS: 68
9  SOFTWARE: FastSeq for Windows Version 4.0
10 SEQ ID NO 5
11 LENGTH: 1155
12 TYPE: DNA
13 ORGANISM: Brassica napus
14 FEATURE:
15 NAME/KEY: CDS
16 LOCATION: (1)...(1152)
17 OTHER INFORMATION: Wild type Pad2
18 US-09-128-602B-5

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Query Match	99.2%	Score 1145.4	DB 4	Length 1155
Best Local Similarity	99.5%	Pred. No. 7e-309		
Matches 1149	Conservative	0	Mismatches 6	Indels 0
				Gaps 0

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Db	1	ATGGGTGCAAGGTGGAAAGATGCAATGTCTCTCTCCCTCCAAAGATGTGAAACCGAACAAC	60
Qy	61	ATCAGACGGGTACCCCTGCGAGACACCGCCCTTCACTGTGCGAAGACTCAGAAAGCAATC	120
Db	61	ATCAGACGGGTACCCCTGCGAGACACCGCCCTTCACTGTGCGAAGACTCAGAAAGCAATC	120
Qy	121	CCACGGCACTGTTCAAACGCTGATCCCTGGCTTTTCTCTACCTGATCTGGGACATC	180
Db	121	CCACGGCACTGTTCAAACGCTGATCCCTGGCTTTTCTCTACCTGATCTGGGACATC	180
Qy	181	ATCATAGCCCTCCGGCTCTACTAGTGGCAACAATTACTCCCTCCCTCCGACACCT	240
Db	181	ATCATAGCCCTCCGGCTCTACTAGTGGCAACAATTACTCCCTCCCTCCGACACCT	240
Qy	241	CTCTCTTACTTGGCTGGCTCTCTACTAGGGCTGGCCAGGGCTGGCTCTAACCGGCTC	300
Db	241	CTCTCTTACTTGGCTGGCTCTCTACTAGGGCTGGCCAGGGCTGGCTCTAACCGGCTC	300
Qy	301	TGGGTATAGCCCAAGATGGGGCCACACGCTTCAAGGCACTACAGTGGCTGGAGAC	360
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Qy	361	ACGGTGGGCTCATCTTCCACTCTCTCCGCTCCCTTACTTCTCTGGAAATACAGT	420
Db	361	ACGGTGGGCTCATCTTCCACTCTCTCCGCTCCCTTACTTCTCTGGAAATACAGT	420
Qy	421	CATCGACGCCACCAATTCCAAACA CTGGCTCCCTCGAGAGAGCGAAGTGTGTTGCCAAG	480
Db	421	CATCGACGCCACCAATTCCAAACA CTGGCTCCCTCGAGAGAGCGAAGTGTGTTGCCAAG	480
Qy	481	AAGAACTCAGACATCAAGTGGTACGGCAAGTACCTCAACAACCTTTTGGAGCGACCGTG	540
Db	481	AAGAACTCAGACATCAAGTGGTACGGCAAGTACCTCAACAACCTTTTGGAGCGACCGTG	540
Qy	541	ATGTTAACGGTTCA GTTCACTCTCGGCTGGGCTTTGTACTTAAAGCTTCAAGTCTCGGGG	600
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Qy	601	AGACCTTAAAGAGGGGGGCTTGGCTTGGCAATTTCCACCCAACGCTCCCATCTACAGAC	660
Db	601	AGACCTTAAAGAGGGGGGCTTGGCTTGGCAATTTCCACCCAACGCTCCCATCTACAGAC	660
Qy	661	CGAGACGCTCTCAAGATATACATCTCCGACGCTGGACATCTCCGCGCTCTGTACGGTCTC	720
Db	661	CGAGACGCTCTCAAGATATACATCTCCGACGCTGGACATCTCCGCGCTCTGTACGGTCTC	720
Qy	721	TACCGTACGCTGTGTCCAGAAAGTTGCTCGATGTCTGTCTTACGAGATTCCTTT	780

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Db      721 TACCGCTACGCTGCTGCCAAGAGATTGCCATGCTCTGCTTCAAGAGTTCCGCTT 780
Qy      781 CTGATTGTCAACGGGTTCTTAGTTTGAATCACTTAATTGAGCACAAGCATCCTCCCTG 840
Db      781 CTGATTGTCAATGGGTTCTTAGTTTGAATCACTTAATTGAGCACAAGCATCCTCCCTG 840
Qy      841 CCTCACTANGACTCGTCTGAGTGGGATTGGTTGAGGGAGCTTGGCCACCGTTGACAGA 900
Db      841 CCTCACTATGACTCGTCTGAGTGGGATTGGTTGAGGGAGCTTGGCCACCGTTGACAGA 900
Qy      901 GACTACGGAACTTTGAACAAGGTTCTTCCAAATATCAGGACACGCACTGGCGCATCAC 960
Db      901 GACTACGGAACTTTGAACAAGGTTCTTCCAAATATCAGGACACGCACTGGCGCATCAC 960
Qy      961 CTGTTCTGACCATGCCGATTTATCATGCGATGGAAGCTACGAAGGCGATTAAGCCGATA 1020
Db      961 CTGTTCTGACCATGCCGATTTATCATGCGATGGAAGCTACGAAGGCGATTAAGCCGATA 1020
Qy      1021 CTGGAGAGTATTATCATGTTGAGGACGCCGTTGGTTAAGGCGATGTGAGGAGGCG 1080
Db      1021 CTGGAGAGTATTATCATGTTGAGGACGCCGTTGGTTAAGGCGATGTGAGGAGGCG 1080
Qy      1081 AAGGAGTATCTATGTGGAACCGGACAGGCAAGGTGAGAAAGGTGTTCTGTTAC 1140
Db      1081 AAGGAGTATCTATGTGGAACCGGACAGGCAAGGTGAGAAAGGTGTTCTGTTAC 1140
Qy      1141 AACATTAAGTTATGA 1155
Db      1141 AACATTAAGTTATGA 1155
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Search completed: January 4, 2005, 09:58:35
Job time : 130 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 4, 2005, 09:01:39 ; Search time 26 Seconds

(without alignments)
979.466 Million cell updates/sec

Title: US-09-771-904A-12

Perfect score: 2146
Sequence: 1 MGAGRMQVSPPSKSETDN.....YVEPDGGEKKGVFWNNKL 384

Scoring table:

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Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
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6: /cgn2_6/ptodata/1/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2146	100.0	384	US-09-354-231B-12	Sequence 12, App1
2	2146	100.0	384	US-09-128-602B-12	Sequence 12, App1
3	2146	100.0	384	US-09-995-297-12	Sequence 12, App1
4	2142	99.8	384	US-09-354-231B-10	Sequence 10, App1
5	2142	99.8	384	US-09-133-962A-4	Sequence 4, App1
6	2142	99.8	384	US-09-128-602B-10	Sequence 10, App1
7	2142	99.8	384	US-09-995-297-10	Sequence 10, App1
8	2129	99.2	384	US-08-907-608-6	Sequence 6, App1
9	2129	99.2	384	US-09-354-231B-6	Sequence 6, App1
10	2129	99.2	384	US-09-128-602B-6	Sequence 6, App1
11	2129	99.2	384	US-09-482-287-6	Sequence 6, App1
12	2129	99.2	384	US-09-966-888-6	Sequence 6, App1
13	2129	99.2	384	US-09-995-297-6	Sequence 6, App1
14	2128	99.2	384	US-08-675-650B-2	Sequence 2, App1
15	2128	99.2	384	US-09-354-231B-14	Sequence 14, App1
16	2128	99.2	384	US-09-128-602B-14	Sequence 14, App1
17	2128	99.2	384	US-09-995-297-14	Sequence 14, App1
18	2127	99.1	384	US-08-675-650B-4	Sequence 4, App1
19	2123	98.9	384	US-08-675-650B-6	Sequence 6, App1
20	2123	98.9	384	US-09-354-231B-8	Sequence 8, App1
21	2122	98.9	384	US-09-128-602B-8	Sequence 8, App1
22	2122	98.9	384	US-09-995-297-8	Sequence 8, App1
23	2121	98.8	384	US-09-354-231B-16	Sequence 16, App1
24	2121	98.8	384	US-09-128-602B-16	Sequence 16, App1
25	2121	98.8	384	US-09-995-297-16	Sequence 16, App1
26	2120	98.8	384	US-09-354-231B-18	Sequence 18, App1
27	2120	98.8	384	US-09-128-602B-18	Sequence 18, App1

28	2120	98.8	384	US-09-995-297-18	Sequence 18, App1
29	2102	97.9	384	US-08-907-608-4	Sequence 4, App1
30	2102	97.9	384	US-09-354-231B-4	Sequence 4, App1
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37	2098	97.8	384	US-09-128-602B-2	Sequence 2, App1
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41	2051	95.6	384	US-09-059-769-10	Sequence 10, App1
42	1960.5	91.4	383	US-08-530-862B-7	Sequence 7, App1
43	1960.5	91.4	384	US-08-597-913D-7	Sequence 7, App1
44	1924.5	89.7	383	US-08-314-586-41	Sequence 41, App1
45	1924.5	89.7	383	US-08-320-982-41	Sequence 41, App1

ALIGNMENTS

RESULT 1					
US-09-354-231B-12					
; Sequence 12, Application US/09354231B					
; Patent No. 6342658					
; GENERAL INFORMATION:					
; APPLICANT: Debonite, Lorin R.					
; APPLICANT: Shorrock, Basil S.					
; TITLE OF INVENTION: FATTY ACID DESATURASES AND MUTANT SEQUENCES THEREOF					
; FILE REFERENCE: 07148-0633002					
; CURRENT APPLICATION NUMBER: US/09/354,231B					
; CURRENT FILING DATE: 1999-07-16					
; PRIOR APPLICATION NUMBER: US 08/874,109					
; PRIOR FILING DATE: 1997-06-12					
; NUMBER OF SEQ ID NOS: 69					
; SOFTWARE: PasteSeq for Windows Version 4.0					
; SEQ ID NO 12					
; LENGTH: 384					
; TYPE: PRT					
; ORGANISM: Brassica napus					
US-09-354-231B-12					
Query Match					
Best Local Similarity 100.0%; Score 2146; DB 3; Length 384;					
Matches 384; Conservative 0; Mismatches 0; Indels 0; Gaps 0;					
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DB	1	MGAGRMQVSPPSKSETDNIKRVPCTPTTGTGELKKAIIPHCFRSIPRSFYLTWDI	60		
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DB	61	IIASCFYVATTFPLPLPLPLSYFAMPLVWACGCVLTGVVVAHKGHAFEDYOWLDD	120		
QY	121	TGGLIHSFLVDFYSFKTSRRHSHNTGSLERDEVFVPPKSKDIDWYGYTLNPLGRIV	180		
DB	121	TGGLIHSFLVDFYSFKTSRRHSHNTGSLERDEVFVPPKSKDIDWYGYTLNPLGRIV	180		
QY	181	MLTVQFTLGMPLVLANVSGRPYDGGFACHFNNAIYNDRELOIYISAGILAVCYGL	240		
DB	181	MLTVQFTLGMPLVLANVSGRPYDGGFACHFNNAIYNDRELOIYISAGILAVCYGL	240		
QY	241	YRYAAVQVAVSWCFYGVPLLIYNGFLVITTYLOHTHPSLPHYDSSEMDLRGALATVDR	300		
DB	241	YRYAAVQVAVSWCFYGVPLLIYNGFLVITTYLOHTHPSLPHYDSSEMDLRGALATVDR	300		
QY	301	DYGLKLVFNNITDTHVAHHLFSTMPHYTAMEATKAIKPLIGEYYPDGTVVYKAMWREA	360		
DB	301	DYGLKLVFNNITDTHVAHHLFSTMPHYTAMEATKAIKPLIGEYYPDGTVVYKAMWREA	360		
QY	361	KCIIYVBPDRQGEKKGVFWNNKL	384		

Db 361 KECIYEPDRQGEKKGFWYNNKL 384

RESULT 2

US-09-128-602B-12
; Sequence 12, Application US/09128602B
; Patent No. 6414223
; GENERAL INFORMATION:
; APPLICANT: Kodali, Dharna
; APPLICANT: Pan, Zhegong
; APPLICANT: Desbonte, Lorin R.
; TITLE OF INVENTION: PLANTS, SEEDS AND OILS HAVING AN ELEVATED TOTAL MONOUNSATURATED
; FILE REFERENCE: 07148-072001
; CURRENT APPLICATION NUMBER: US/09/128, 602B
; CURRENT FILING DATE: 1998-08-03
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-128-602B-12

Query Match 100.0%; Score 2146; DB 4; Length 384;
Best Local Similarity 100.0%; Pred. No. 1.6e-224;
Matches 384; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGAGRMQVSPSKSETDNIRKVPCEPPTVGBLKKAI PPHCFKRSIPRSFSLIWDI 60
DB 1 MGAGRMQVSPSKSETDNIRKVPCEPPTVGBLKKAI PPHCFKRSIPRSFSLIWDI 60
QY 61 IASCFTYVATTYFPPLPPLPSYFAMPYMACCGCVLTGVWYIAHCGHHAASDYOMLDD 120
DB 61 IASCFTYVATTYFPPLPPLPSYFAMPYMACCGCVLTGVWYIAHCGHHAASDYOMLDD 120
QY 121 TVGLIFHSFLVLPYFSWKYSHRRHSHNTGSLERDEVFVPEKKSIDIKMYGKYLNNPLGRTV 180
DB 121 TVGLIFHSFLVLPYFSWKYSHRRHSHNTGSLERDEVFVPEKKSIDIKMYGKYLNNPLGRTV 180
QY 181 MLTVQFTLGMPLYLAFNVSGRPYDGGFACHFHPNAPIYNDREBLQIYISDAGILAVCYGL 240
DB 181 MLTVQFTLGMPLYLAFNVSGRPYDGGFACHFHPNAPIYNDREBLQIYISDAGILAVCYGL 240
QY 241 YRYAAVQVASWVCYGVPLLVNGFLVLTLYLOHTHPSLPHYDSSEMDLRLGALATVDR 300
DB 241 YRYAAVQVASWVCYGVPLLVNGFLVLTLYLOHTHPSLPHYDSSEMDLRLGALATVDR 300
QY 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPIIGSYOFGDPVYKAMWREA 360
DB 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPIIGSYOFGDPVYKAMWREA 360
QY 361 KECIYEPDRQGEKKGFWYNNKL 384
DB 361 KECIYEPDRQGEKKGFWYNNKL 384

RESULT 3

US-09-995-297-12
; Sequence 12, Application US/0995297
; Patent No. 6649782
; GENERAL INFORMATION:
; APPLICANT: Kodali, Dharna
; APPLICANT: Pan, Zhegong
; APPLICANT: Desbonte, Lorin R.
; TITLE OF INVENTION: PLANTS, SEEDS AND OILS HAVING AN ELEVATED TOTAL MONOUNSATURATED
; FILE REFERENCE: 07148-072002
; CURRENT APPLICATION NUMBER: US/09/995, 297
; CURRENT FILING DATE: 2001-11-27
; PRIOR APPLICATION NUMBER: US 09/128, 602
; PRIOR FILING DATE: 1998-08-03

; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-995-297-12

Query Match 100.0%; Score 2146; DB 4; Length 384;
Best Local Similarity 100.0%; Pred. No. 1.6e-224;
Matches 384; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGAGRMQVSPSKSETDNIRKVPCEPPTVGBLKKAI PPHCFKRSIPRSFSLIWDI 60
DB 1 MGAGRMQVSPSKSETDNIRKVPCEPPTVGBLKKAI PPHCFKRSIPRSFSLIWDI 60
QY 61 IASCFTYVATTYFPPLPPLPSYFAMPYMACCGCVLTGVWYIAHCGHHAASDYOMLDD 120
DB 61 IASCFTYVATTYFPPLPPLPSYFAMPYMACCGCVLTGVWYIAHCGHHAASDYOMLDD 120
QY 121 TVGLIFHSFLVLPYFSWKYSHRRHSHNTGSLERDEVFVPEKKSIDIKMYGKYLNNPLGRTV 180
DB 121 TVGLIFHSFLVLPYFSWKYSHRRHSHNTGSLERDEVFVPEKKSIDIKMYGKYLNNPLGRTV 180
QY 181 MLTVQFTLGMPLYLAFNVSGRPYDGGFACHFHPNAPIYNDREBLQIYISDAGILAVCYGL 240
DB 181 MLTVQFTLGMPLYLAFNVSGRPYDGGFACHFHPNAPIYNDREBLQIYISDAGILAVCYGL 240
QY 241 YRYAAVQVASWVCYGVPLLVNGFLVLTLYLOHTHPSLPHYDSSEMDLRLGALATVDR 300
DB 241 YRYAAVQVASWVCYGVPLLVNGFLVLTLYLOHTHPSLPHYDSSEMDLRLGALATVDR 300
QY 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPIIGSYOFGDPVYKAMWREA 360
DB 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPIIGSYOFGDPVYKAMWREA 360
QY 361 KECIYEPDRQGEKKGFWYNNKL 384
DB 361 KECIYEPDRQGEKKGFWYNNKL 384

RESULT 4

US-09-354-231B-10
; Sequence 10, Application US/09354231B
; Patent No. 6342658
; GENERAL INFORMATION:
; APPLICANT: Desbonte, Lorin R.
; APPLICANT: Shorrosh, Basil S.
; TITLE OF INVENTION: FATTY ACID DESATURASES AND MUTANT SEQUENCES THEREOF
; FILE REFERENCE: 07148-063002
; CURRENT APPLICATION NUMBER: US/09/354, 231B
; CURRENT FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: US 08/874, 109
; PRIOR FILING DATE: 1997-06-12
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-354-231B-10

Query Match 99.8%; Score 2142; DB 3; Length 384;
Best Local Similarity 99.7%; Pred. No. 4.2e-224;
Matches 383; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGAGRMQVSPSKSETDNIRKVPCEPPTVGBLKKAI PPHCFKRSIPRSFSLIWDI 60
DB 1 MGAGRMQVSPSKSETDNIRKVPCEPPTVGBLKKAI PPHCFKRSIPRSFSLIWDI 60
QY 61 IASCFTYVATTYFPPLPPLPSYFAMPYMACCGCVLTGVWYIAHCGHHAASDYOMLDD 120
DB 61 IASCFTYVATTYFPPLPPLPSYFAMPYMACCGCVLTGVWYIAHCGHHAASDYOMLDD 120

QY 121 TVGLIFHSFLVLPYFSWKYSHRRHSNTGSLERDEVFVPPKKSIDIKMYGYLNNPLGRTV 180
DB 121 TVGLIFHSFLVLPYFSWKYSHRRHSNTGSLERDEVFVPPKKSIDIKMYGYLNNPLGRTV 180
QY 181 MLTVQFTLGMPLYLAFNVSGRPYDGGFACHFHNAPIYNDRELOIYISDAGILAVCYGL 240
DB 181 MLTVQFTLGMPLYLAFNVSGRPYDGGFACHFHNAPIYNDRELOIYISDAGILAVCYGL 240
QY 241 YRYAAVOGVASWVCFGVPLLIYNGFLVLTLYLQHTHPSLPHYDSSBMDLRGALATVDR 300
DB 241 YRYAAVOGVASWVCFGVPLLIYNGFLVLTLYLQHTHPSLPHYDSSBMDLRGALATVDR 300
QY 301 DYGLINKVFNNITDTHVAHHLFSTMPHYHAMEATKAIKPIIGERYOFGTPTVYKAMWREA 360
DB 301 DYGLINKVFNNITDTHVAHHLFSTMPHYHAMEATKAIKPIIGERYOFGTPTVYKAMWREA 360
QY 361 KECIYEPDRQGEKGVFWYNNKL 384
DB 361 KECIYEPDRQGEKGVFWYNNKL 384

RESULT 5

US-09-133-962A-4
Sequence 4, Application US/09133962A
Patent No. 6372965
GENERAL INFORMATION:
APPLICANT: JONATHAN EDWARD LIGHTNER
JOHN JOSEPH OKULEY
TITLE OF INVENTION: GENES FOR MICROSOFTAL FATTY ACID
DELTA-12 DESATURASES AND RELATED
ENZYMES FROM PLANTS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: E. I. DU PONT DE NEMOURS AND COMPANY
STREET: 1007 MARKET STREET
CITY: WILMINGTON
STATE: DELAWARE
COUNTRY: UNITED STATES OF AMERICA
ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.50 INCH
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: MICROSOFT WORD FOR WINDOWS 95
SOFTWARE: MICROSOFT WORD VERSION 7.0A
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/133,962A
FILING DATE: 14-Aug-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.S. 07/977,339
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHRISTENBURY, LYNNIE M.
REGISTRATION NUMBER: 30,971
REFERENCE/DOCKET NUMBER: BB-1043-D
TELECOMMUNICATION INFORMATION:
TELEPHONE: (302) 773-0164
TELEFAX: (302) 773-0164
TELEX: 835420
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 384 amino acids
TYPE: amino acid
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-133-962A-4

Query Match 99.8%; Score 2142; DB 3; Length 384;
Best Local Similarity 99.7%; Pred. No. 4,2e-224;
Matches 383; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGAGRMQVSPSPKSETNDIKRVPCEPPTVGLKKAIPHCFKRSIPRSFYLIWDI 60
DB 1 MGAGRMQVSPSPKSETNDIKRVPCEPPTVGLKKAIPHCFKRSIPRSFYLIWDI 60
QY 61 IIASCFYVATYTFPLPHPLSYFAMPPLIYACCGCVLTGVWVIAHCGHNAFSDYOMLDD 120
DB 61 IIASCFYVATYTFPLPHPLSYFAMPPLIYACCGCVLTGVWVIAHCGHNAFSDYOMLDD 120
QY 121 TVGLIFHSFLVLPYFSWKYSHRRHSNTGSLERDEVFVPPKKSIDIKMYGYLNNPLGRTV 180
DB 121 TVGLIFHSFLVLPYFSWKYSHRRHSNTGSLERDEVFVPPKKSIDIKMYGYLNNPLGRTV 180
QY 181 MLTVQFTLGMPLYLAFNVSGRPYDGGFACHFHNAPIYNDRELOIYISDAGILAVCYGL 240
DB 181 MLTVQFTLGMPLYLAFNVSGRPYDGGFACHFHNAPIYNDRELOIYISDAGILAVCYGL 240
QY 241 YRYAAVOGVASWVCFGVPLLIYNGFLVLTLYLQHTHPSLPHYDSSBMDLRGALATVDR 300
DB 241 YRYAAVOGVASWVCFGVPLLIYNGFLVLTLYLQHTHPSLPHYDSSBMDLRGALATVDR 300
QY 301 DYGLINKVFNNITDTHVAHHLFSTMPHYHAMEATKAIKPIIGERYOFGTPTVYKAMWREA 360
DB 301 DYGLINKVFNNITDTHVAHHLFSTMPHYHAMEATKAIKPIIGERYOFGTPTVYKAMWREA 360
QY 361 KECIYEPDRQGEKGVFWYNNKL 384
DB 361 KECIYEPDRQGEKGVFWYNNKL 384

RESULT 6

US-09-128-602B-10
Sequence 10, Application US/09128602B
Patent No. 6414223
GENERAL INFORMATION:
APPLICANT: Kodali, Dharna
APPLICANT: Pan, Zhongong
APPLICANT: Debonte, Lorin R.
TITLE OF INVENTION: PLANTS, SEEDS AND OILS HAVING AN ELEVATED TOTAL MONOUNSATURATED
FATTY ACID CONTENT
FILE REFERENCE: 07148-072001
CURRENT APPLICATION NUMBER: US/09/128,602B
CURRENT FILING DATE: 1998-08-03
NUMBER OF SEQ ID NOS: 68
SOFTWARE: PastsEQ for Windows Version 4.0
SEQ ID NO 10
LENGTH: 384
TYPE: PRT
ORGANISM: Brassica napus
US-09-128-602B-10

Query Match 99.8%; Score 2142; DB 4; Length 384;
Best Local Similarity 99.7%; Pred. No. 4,2e-224;
Matches 383; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGAGRMQVSPSPKSETNDIKRVPCEPPTVGLKKAIPHCFKRSIPRSFYLIWDI 60
DB 1 MGAGRMQVSPSPKSETNDIKRVPCEPPTVGLKKAIPHCFKRSIPRSFYLIWDI 60
QY 61 IIASCFYVATYTFPLPHPLSYFAMPPLIYACCGCVLTGVWVIAHCGHNAFSDYOMLDD 120
DB 61 IIASCFYVATYTFPLPHPLSYFAMPPLIYACCGCVLTGVWVIAHCGHNAFSDYOMLDD 120
QY 121 TVGLIFHSFLVLPYFSWKYSHRRHSNTGSLERDEVFVPPKKSIDIKMYGYLNNPLGRTV 180
DB 121 TVGLIFHSFLVLPYFSWKYSHRRHSNTGSLERDEVFVPPKKSIDIKMYGYLNNPLGRTV 180
QY 181 MLTVQFTLGMPLYLAFNVSGRPYDGGFACHFHNAPIYNDRELOIYISDAGILAVCYGL 240
DB 181 MLTVQFTLGMPLYLAFNVSGRPYDGGFACHFHNAPIYNDRELOIYISDAGILAVCYGL 240
QY 241 YRYAAVOGVASWVCFGVPLLIYNGFLVLTLYLQHTHPSLPHYDSSBMDLRGALATVDR 300
DB 241 YRYAAVOGVASWVCFGVPLLIYNGFLVLTLYLQHTHPSLPHYDSSBMDLRGALATVDR 300

QY 301 DVGILNKVFHNITDTHVAHHLFSTMPHYNAMEATKAIKPILGEYQFDGTPVVKAMWREA 360
DB 301 DVGILNKVFHNITDTHVAHHLFSTMPHYNAMEATKAIKPILGEYQFDGTPVVKAMWREA 360
QY 361 KECIYVEPDROGEKKGVFWYNNKL 384
DB 361 KECIYVEPDROGEKKGVFWYNNKL 384

RESULT 7

US-09-995-297-10
; Sequence 10, Application US/0995297
; Patent No. 6649782
; GENERAL INFORMATION:
; APPLICANT: Kodali, Dharna
; APPLICANT: Pan, Zhongong
; APPLICANT: DeBonte, Lotin R.
; TITLE OF INVENTION: PLANTS, SEEDS AND OILS HAVING AN ELEVATED TOTAL MONOUNSATURATED
; FILE REFERENCE: 07148-072002
; CURRENT APPLICATION NUMBER: US/09/995,297
; PRIOR FILING DATE: 2001-11-27
; PRIOR APPLICATION NUMBER: US 09/128,602
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PaateSeq for Windows Version 4.0
; SEQ ID NO: 10
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-995-297-10

Query Match 99.8%; Score 2142; DB 4; Length 384;
Best Local Similarity 99.7%; Pred. No. 4.2e-224;
Matches 383; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGAGRMQVSPSKSETDNIRKVPCEPPTVGEIKKAIIPHCFRSTIPRSFSYLIWDI 60
DB 1 MGAGRMQVSPSKSETDNIRKVPCEPPTVGEIKKAIIPHCFRSTIPRSFSYLIWDI 60
QY 61 IASCFYVATYTFPLPHPLSYFAMPPLYMACOGCVLTGVWVIAHKGHHAESDYQWMD 120
DB 61 IASCFYVATYTFPLPHPLSYFAMPPLYMACOGCVLTGVWVIAHKGHHAESDYQWMD 120
QY 121 TVGLIFHSFLVLPYFSWKYSHRRHHSNTGSLERDEVFVPKKSDIKWYGYLNNPLGRTV 180
DB 121 TVGLIFHSFLVLPYFSWKYSHRRHHSNTGSLERDEVFVPKKSDIKWYGYLNNPLGRTV 180
QY 181 MTLVQFTLGMPLYLAFNVSGRPYDGGFACHFHPNAPIYNDRERLQIYISDAGILAVCYGL 240
DB 181 MTLVQFTLGMPLYLAFNVSGRPYDGGFACHFHPNAPIYNDRERLQIYISDAGILAVCYGL 240
QY 241 YRYAAVQVAVSWCYGVPLLVNGFLVLTLYQHTHPSLPHYDSSEMDLREGALATVDR 300
DB 241 YRYAAVQVAVSWCYGVPLLVNGFLVLTLYQHTHPSLPHYDSSEMDLREGALATVDR 300
QY 301 DVGILNKVFHNITDTHVAHHLFSTMPHYNAMEATKAIKPILGEYQFDGTPVVKAMWREA 360
DB 301 DVGILNKVFHNITDTHVAHHLFSTMPHYNAMEATKAIKPILGEYQFDGTPVVKAMWREA 360
QY 361 KECIYVEPDROGEKKGVFWYNNKL 384
DB 361 KECIYVEPDROGEKKGVFWYNNKL 384

RESULT 8

US-08-907-608-6
; Sequence 6, Application US/08907608
; Patent No. 6063947
; GENERAL INFORMATION:
; APPLICANT: DeBonte, L. et al.
; TITLE OF INVENTION: CANOLA OIL HAVING INCREASED OLEIC ACID AND

; TITLE OF INVENTION: DECREASED LINOLENIC ACID CONTENT
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C., P.A.
; STREET: 60 South Sixth Street, Suite 3300
; CITY: Minneapolis
; STATE: MN
; COUNTRY: USA
; ZIP: 55402

COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/907,608
; FILING DATE: 08-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/675,650
; FILING DATE: 03-JUL-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Lundquist, Ronald C.
; REGISTRATION NUMBER: 37,875
; REFERENCE/DOCKET NUMBER: 07148/042002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612/335-5070
; TELEFAX: 612/288-9696
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 384 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-907-608-6

Query Match 99.2%; Score 2129; DB 3; Length 384;
Best Local Similarity 99.2%; Pred. No. 1.1e-222;
Matches 381; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGAGRMQVSPSKSETDNIRKVPCEPPTVGEIKKAIIPHCFRSTIPRSFSYLIWDI 60
DB 1 MGAGRMQVSPSKSETDNIRKVPCEPPTVGEIKKAIIPHCFRSTIPRSFSYLIWDI 60
QY 61 IASCFYVATYTFPLPHPLSYFAMPPLYMACOGCVLTGVWVIAHKGHHAESDYQWMD 120
DB 61 IASCFYVATYTFPLPHPLSYFAMPPLYMACOGCVLTGVWVIAHKGHHAESDYQWMD 120
QY 121 TVGLIFHSFLVLPYFSWKYSHRRHHSNTGSLERDEVFVPKKSDIKWYGYLNNPLGRTV 180
DB 121 TVGLIFHSFLVLPYFSWKYSHRRHHSNTGSLERDEVFVPKKSDIKWYGYLNNPLGRTV 180
QY 181 MTLVQFTLGMPLYLAFNVSGRPYDGGFACHFHPNAPIYNDRERLQIYISDAGILAVCYGL 240
DB 181 MTLVQFTLGMPLYLAFNVSGRPYDGGFACHFHPNAPIYNDRERLQIYISDAGILAVCYGL 240
QY 241 YRYAAVQVAVSWCYGVPLLVNGFLVLTLYQHTHPSLPHYDSSEMDLREGALATVDR 300
DB 241 YRYAAVQVAVSWCYGVPLLVNGFLVLTLYQHTHPSLPHYDSSEMDLREGALATVDR 300
QY 301 DVGILNKVFHNITDTHVAHHLFSTMPHYNAMEATKAIKPILGEYQFDGTPVVKAMWREA 360
DB 301 DVGILNKVFHNITDTHVAHHLFSTMPHYNAMEATKAIKPILGEYQFDGTPVVKAMWREA 360
QY 361 KECIYVEPDROGEKKGVFWYNNKL 384
DB 361 KECIYVEPDROGEKKGVFWYNNKL 384

RESULT 9

US-09-354-231B-6
; Sequence 6, Application US/09354231B
; Patent No. 6342658
; GENERAL INFORMATION:

APPLICANT: DeBonte, Lorin R.
APPLICANT: Shortish, Basil S.
TITLE OF INVENTION: FATTY ACID DESATURASES AND MUTANT SEQUENCES THEREOF
FILE REFERENCE: 07148-063002
CURRENT APPLICATION NUMBER: US/09/354,231B
CURRENT FILING DATE: 1999-07-16
PRIORITY APPLICATION NUMBER: US 08/874,109
PRIOR FILING DATE: 1997-06-12
NUMBER OF SEQ. ID NOS: 69
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 6
LENGTH: 384
TYPE: PRN
ORGANISM: Brassica napus
US-09-354-231B-6

Query Match 99.2%; Score 2129; DB 3; Length 384;
Best Local Similarity 99.2%; Pred. No. 1,1e-222;
Matches 381; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGAGRMQVSPKSKSTNDIKRVPCTPPTVGLKKAIPHCFKSIPRSFSLTMDI 60
DB 1 MGAGRMQVSPKSKSTNDIKRVPCTPPTVGLKKAIPHCFKSIPRSFSLTMDI 60
QY 61 IASCFYVATTTFFPLPHPLSYFAMPPLVYACGCVLTGVVLAHKGHAFSDYQWLD 120
DB 61 IASCFYVATTTFFPLPHPLSYFAMPPLVYACGCVLTGVVLAHKGHAFSDYQWLD 120
QY 121 TVGLIFHSFLVLPYFSKYSRRHSNTGSLERDEVFVPPKKSDIKYGYKLNPLGRTV 180
DB 121 TVGLIFHSFLVLPYFSKYSRRHSNTGSLERDEVFVPPKKSDIKYGYKLNPLGRTV 180
QY 181 MLTVQFTLGMPLVLAFAVNSGRPYDGGPACHFHNAPIYNDRELOIYISDAGILAVCYGL 240
DB 181 MLTVQFTLGMPLVLAFAVNSGRPYDGGPACHFHNAPIYNDRELOIYISDAGILAVCYGL 240
QY 241 YRYAAVGVASMCFCYGVPLIYNGFLVLTITLOHTPSLPHYDSSMDLRLGALATVDR 300
DB 241 YRYAAVGVASMCFCYGVPLIYNGFLVLTITLOHTPSLPHYDSSMDLRLGALATVDR 300
QY 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPILGRIYQFDGTPPVYKAMWREA 360
DB 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPILGRIYQFDGTPPVYKAMWREA 360
QY 361 KECIYVPRDROGEEKGVFWYNNKL 384
DB 361 KECIYVPRDROGEEKGVFWYNNKL 384

RESULT 10
US-09-128-602B-6
Sequence 6, Application US/09128602B
Patent No. 6414223
GENERAL INFORMATION:
APPLICANT: Kodali, Dharma
APPLICANT: Fan, Zhegong
APPLICANT: DeBonte, Lorin R.
TITLE OF INVENTION: PLANTS, SEEDS AND OILS HAVING AN ELEVATED TOTAL MONOUNSATURATED
FILE REFERENCE: 07148-072001
CURRENT APPLICATION NUMBER: US/09/128,602B
CURRENT FILING DATE: 1998-08-03
NUMBER OF SEQ. ID NOS: 68
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 6
LENGTH: 384
TYPE: PRN
ORGANISM: Brassica napus
US-09-128-602B-6

Query Match 99.2%; Score 2129; DB 4; Length 384;
Best Local Similarity 99.2%; Pred. No. 1,1e-222;
Matches 381; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGAGRMQVSPKSKSTNDIKRVPCTPPTVGLKKAIPHCFKSIPRSFSLTMDI 60
DB 1 MGAGRMQVSPKSKSTNDIKRVPCTPPTVGLKKAIPHCFKSIPRSFSLTMDI 60
QY 61 IASCFYVATTTFFPLPHPLSYFAMPPLVYACGCVLTGVVLAHKGHAFSDYQWLD 120
DB 61 IASCFYVATTTFFPLPHPLSYFAMPPLVYACGCVLTGVVLAHKGHAFSDYQWLD 120
QY 121 TVGLIFHSFLVLPYFSKYSRRHSNTGSLERDEVFVPPKKSDIKYGYKLNPLGRTV 180
DB 121 TVGLIFHSFLVLPYFSKYSRRHSNTGSLERDEVFVPPKKSDIKYGYKLNPLGRTV 180
QY 181 MLTVQFTLGMPLVLAFAVNSGRPYDGGPACHFHNAPIYNDRELOIYISDAGILAVCYGL 240
DB 181 MLTVQFTLGMPLVLAFAVNSGRPYDGGPACHFHNAPIYNDRELOIYISDAGILAVCYGL 240
QY 241 YRYAAVGVASMCFCYGVPLIYNGFLVLTITLOHTPSLPHYDSSMDLRLGALATVDR 300
DB 241 YRYAAVGVASMCFCYGVPLIYNGFLVLTITLOHTPSLPHYDSSMDLRLGALATVDR 300
QY 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPILGRIYQFDGTPPVYKAMWREA 360
DB 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPILGRIYQFDGTPPVYKAMWREA 360
QY 361 KECIYVPRDROGEEKGVFWYNNKL 384
DB 361 KECIYVPRDROGEEKGVFWYNNKL 384

RESULT 11
US-09-482-287-6
Sequence 6, Application US/09482287
Patent No. 6441278
GENERAL INFORMATION:
APPLICANT: DeBonte, L. et al.
TITLE OF INVENTION: CANOLA OIL HAVING INCREASED OLEIC ACID AND
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C., P.A.
STREET: 60 South Sixth Street, Suite 3300
CITY: Minneapolis
STATE: MN
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/482,287
FILING DATE: 13-Jan-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/907,608
FILING DATE: 08-AUG-1997
APPLICATION NUMBER: 08/675,650
FILING DATE: 03-JUL-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lundquist, Ronald C.
REGISTRATION NUMBER: 37,875
REFERENCE/DOCKET NUMBER: 07148/042002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612/335-5070
TELEFAX: 612/288-9696
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 384 amino acids
TYPE: amino acid
MOLECULAR TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-482-287-6

Query Match 99.2%; Score 2129; DB 4; Length 384;
Best Local Similarity 99.2%; Pred. No. 1.1e-222;
Matches 381; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGAGGMQVSPSPKSETDNIRKVPCEPPTVGBLKKAIIPHCPRKRSIPRSFSYLIWDI 60
| 1 MGAGGMQVSPSPKSETDNIRKVPCEPPTVGBLKKAIIPHCPRKRSIPRSFSYLIWDI 60
DB 1 MGAGGMQVSPSPKSETDNIRKVPCEPPTVGBLKKAIIPHCPRKRSIPRSFSYLIWDI 60
QY 61 IASCYYVATYTPPLPPLPSYFAMPPLVYACOGCVLTGWVIAHKCGHAAFSDYQWLD 120
| 61 IASCYYVATYTPPLPPLPSYFAMPPLVYACOGCVLTGWVIAHKCGHAAFSDYQWLD 120
DB 61 IASCYYVATYTPPLPPLPSYFAMPPLVYACOGCVLTGWVIAHKCGHAAFSDYQWLD 120
QY 121 TVGLIFHSFLVLPYFSWKYSHRRHNSNTGSLERDEVFVPKKSDIKMYGKYLNNPLGRVY 180
| 121 TVGLIFHSFLVLPYFSWKYSHRRHNSNTGSLERDEVFVPKKSDIKMYGKYLNNPLGRVY 180
DB 121 TVGLIFHSFLVLPYFSWKYSHRRHNSNTGSLERDEVFVPKKSDIKMYGKYLNNPLGRVY 180
QY 181 MLTVQFTLGMPLVLAENVSGRPYDGGFACHFHNAPIYNDRERLQIYISDAGILAVCYGL 240
| 181 MLTVQFTLGMPLVLAENVSGRPYDGGFACHFHNAPIYNDRERLQIYISDAGILAVCYGL 240
DB 181 MLTVQFTLGMPLVLAENVSGRPYDGGFACHFHNAPIYNDRERLQIYISDAGILAVCYGL 240
QY 241 YRYAAVQVASMVCFFGVPLLVNGFLVLTLYLQHTHPSLPHYDSSEMDLRGALATVDR 300
| 241 YRYAAVQVASMVCFFGVPLLVNGFLVLTLYLQHTHPSLPHYDSSEMDLRGALATVDR 300
DB 241 YRYAAVQVASMVCFFGVPLLVNGFLVLTLYLQHTHPSLPHYDSSEMDLRGALATVDR 300
QY 301 DVGILNKVFHNITDTVAHHLFSTMPHYAMEATKAIKPLIGRYQPDGPVVKAMMREA 360
| 301 DVGILNKVFHNITDTVAHHLFSTMPHYAMEATKAIKPLIGRYQPDGPVVKAMMREA 360
DB 301 DVGILNKVFHNITDTVAHHLFSTMPHYAMEATKAIKPLIGRYQPDGPVVKAMMREA 360
QY 361 KECIYEPDROGEKKGVFWYNNKL 384
| 361 KECIYEPDROGEKKGVFWYNNKL 384
DB 361 KECIYEPDROGEKKGVFWYNNKL 384

RESULT 12

US-09-966-888-6
; Sequence 6, Application US/09966888
; Patent No. 6583303

GENERAL INFORMATION:

APPLICANT: Debonce, L. et al.
TITLE OF INVENTION: CANOLA OIL HAVING INCREASED OLEIC ACID AND

DECREASED LINOLENIC ACID CONTENT

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson, P.C., P.A.
STREET: 60 South Sixth Street, Suite 3300

CITY: Minneapolis

STATE: MN

COUNTRY: USA

ZIP: 55402

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/966,888

FILING DATE: 28-Sep-2001

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/907,608

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Lundquist, Ronald C.

REGISTRATION NUMBER: 37,875

REFERENCE/DOCKET NUMBER: 07148/042002

TELECOMMUNICATION INFORMATION:

TELEPHONE: 612/335-5070

TELEFAX: 612/288-9696

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 384 amino acids

TYPE: amino acid

TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-966-888-6

Query Match 99.2%; Score 2129; DB 4; Length 384;
Best Local Similarity 99.2%; Pred. No. 1.1e-222;
Matches 381; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGAGGMQVSPSPKSETDNIRKVPCEPPTVGBLKKAIIPHCPRKRSIPRSFSYLIWDI 60
| 1 MGAGGMQVSPSPKSETDNIRKVPCEPPTVGBLKKAIIPHCPRKRSIPRSFSYLIWDI 60
DB 1 MGAGGMQVSPSPKSETDNIRKVPCEPPTVGBLKKAIIPHCPRKRSIPRSFSYLIWDI 60
QY 61 IASCYYVATYTPPLPPLPSYFAMPPLVYACOGCVLTGWVIAHKCGHAAFSDYQWLD 120
| 61 IASCYYVATYTPPLPPLPSYFAMPPLVYACOGCVLTGWVIAHKCGHAAFSDYQWLD 120
DB 61 IASCYYVATYTPPLPPLPSYFAMPPLVYACOGCVLTGWVIAHKCGHAAFSDYQWLD 120
QY 121 TVGLIFHSFLVLPYFSWKYSHRRHNSNTGSLERDEVFVPKKSDIKMYGKYLNNPLGRVY 180
| 121 TVGLIFHSFLVLPYFSWKYSHRRHNSNTGSLERDEVFVPKKSDIKMYGKYLNNPLGRVY 180
DB 121 TVGLIFHSFLVLPYFSWKYSHRRHNSNTGSLERDEVFVPKKSDIKMYGKYLNNPLGRVY 180
QY 181 MLTVQFTLGMPLVLAENVSGRPYDGGFACHFHNAPIYNDRERLQIYISDAGILAVCYGL 240
| 181 MLTVQFTLGMPLVLAENVSGRPYDGGFACHFHNAPIYNDRERLQIYISDAGILAVCYGL 240
DB 181 MLTVQFTLGMPLVLAENVSGRPYDGGFACHFHNAPIYNDRERLQIYISDAGILAVCYGL 240
QY 241 YRYAAVQVASMVCFFGVPLLVNGFLVLTLYLQHTHPSLPHYDSSEMDLRGALATVDR 300
| 241 YRYAAVQVASMVCFFGVPLLVNGFLVLTLYLQHTHPSLPHYDSSEMDLRGALATVDR 300
DB 241 YRYAAVQVASMVCFFGVPLLVNGFLVLTLYLQHTHPSLPHYDSSEMDLRGALATVDR 300
QY 301 DVGILNKVFHNITDTVAHHLFSTMPHYAMEATKAIKPLIGRYQPDGPVVKAMMREA 360
| 301 DVGILNKVFHNITDTVAHHLFSTMPHYAMEATKAIKPLIGRYQPDGPVVKAMMREA 360
DB 301 DVGILNKVFHNITDTVAHHLFSTMPHYAMEATKAIKPLIGRYQPDGPVVKAMMREA 360
QY 361 KECIYEPDROGEKKGVFWYNNKL 384
| 361 KECIYEPDROGEKKGVFWYNNKL 384
DB 361 KECIYEPDROGEKKGVFWYNNKL 384

RESULT 13

US-09-995-297-6
; Sequence 6, Application US/09995297
; Patent No. 6649782

GENERAL INFORMATION:

APPLICANT: Kodali, Dharmma

APPLICANT: Pan, Zhegong

APPLICANT: Debonce, Lorin R.

TITLE OF INVENTION: PLANTS, SEEDS AND OILS HAVING AN ELEVATED TOTAL MONOUNSATURATED

FILE REFERENCE: 07148-072002

CURRENT APPLICATION NUMBER: US/09/995,297

CURRENT FILING DATE: 2001-11-27

PRIOR FILING DATE: 1998-08-03

NUMBER OF SEQ ID NOS: 68

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 6

LENGTH: 384

TYPE: PRT

ORGANISM: Brassica napus

US-09-995-297-6

Query Match 99.2%; Score 2129; DB 4; Length 384;

Best Local Similarity 99.2%; Pred. No. 1.1e-222;

Matches 381; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGAGGMQVSPSPKSETDNIRKVPCEPPTVGBLKKAIIPHCPRKRSIPRSFSYLIWDI 60
| 1 MGAGGMQVSPSPKSETDNIRKVPCEPPTVGBLKKAIIPHCPRKRSIPRSFSYLIWDI 60
DB 1 MGAGGMQVSPSPKSETDNIRKVPCEPPTVGBLKKAIIPHCPRKRSIPRSFSYLIWDI 60
QY 61 IASCYYVATYTPPLPPLPSYFAMPPLVYACOGCVLTGWVIAHKCGHAAFSDYQWLD 120
| 61 IASCYYVATYTPPLPPLPSYFAMPPLVYACOGCVLTGWVIAHKCGHAAFSDYQWLD 120
DB 61 IASCYYVATYTPPLPPLPSYFAMPPLVYACOGCVLTGWVIAHKCGHAAFSDYQWLD 120

QY 121 TVGLIFHSFLVLPYFSWKYSHRRHNSNTGSLERDEVFVPPKKSDIKMYGKYLNNPLGRTV 180
|
|
|
Db 121 TVGLIFHSFLVLPYFSWKYSHRRHNSNTGSLERDEVFVPPKKSDIKMYGKYLNNPLGRTV 180
|
|
|
QY 181 MLTVQFTLGWPLYLAFVNSGRPYDGFACFHFNAPLYNDRERLQIYISDAGILAVCYGL 240
|
|
|
Db 181 MLTVQFTLGWPLYLAFVNSGRPYDGFACFHFNAPLYNDRERLQIYISDAGILAVCYGL 240
|
|
|
QY 241 YRYAAVQGVASWVCYGVPLLYNGFLVLTYYLQHTHPSLPHYDSSBMDLKGALATVDR 300
|
|
|
Db 241 YRYAAVQGVASWVCYGVPLLYNGFLVLTYYLQHTHPSLPHYDSSBMDLKGALATVDR 300
|
|
|
QY 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPLIGETYYQFDGTPVVKAMMREA 360
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|
|
Db 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPLIGETYYQFDGTPVVKAMMREA 360
|
|
|
QY 361 KECIYVEPDRQGEKGVFWYNNKL 384
|
|
|
Db 361 KECIYVEPDRQGEKGVFWYNNKL 384
|
|
|

RESULT 14

US-08-675-650B-2
; Sequence 2, Application US/08675650B
; Patent No. 5850026
; GENERAL INFORMATION:
; APPLICANT: Debonte, L. et al.
; TITLE OF INVENTION: CANOLA OIL HAVING INCREASED OLEIC ACID AND
; TITLE OF INVENTION: DECREASED LINOLENIC ACID CONTENT
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C., P.A.
; STREET: 60 South Sixth Street, Suite 3300
; CITY: Minneapolis
; STATE: MN
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/675,650B
; FILING DATE: 03-JUL-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Lundquist, Ronald C.
; REGISTRATION NUMBER: 37,875
; REFERENCE/DOCKET NUMBER: 07148/042001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612/335-5070
; TELEFAX: 612/288-9696
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 384 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-675-650B-2

Query Match 99.2%; Score 2128; DB 2; Length 384;

Best Local Similarity 99.0%; Pred. No. 1.4e-222;

Matches 380; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGAGGRQVSPSPKSEETDINIKRVPCEPPTVGEELKKAIPHCPRKSIIPRSFSLIWDI 60
|
|
|
Db 1 MGAGGRQVSPSPKSEETDINIKRVPCEPPTVGEELKKAIPHCPRKSIIPRSFSLIWDI 60
|
|
|
QY 61 IASCFYVATYTPPLPHPLSYFAMPLYAACGCGVLTGVWVIAHCGHAFSDYQWLD 120
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|
|
Db 61 IASCFYVATYTPPLPHPLSYFAMPLYAACGCGVLTGVWVIAHCGHAFSDYQWLD 120
|
|
|

QY 121 TVGLIFHSFLVLPYFSWKYSHRRHNSNTGSLERDEVFVPPKKSDIKMYGKYLNNPLGRTV 180
|
|
|
Db 121 TVGLIFHSFLVLPYFSWKYSHRRHNSNTGSLERDEVFVPPKKSDIKMYGKYLNNPLGRTV 180
|
|
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QY 181 MLTVQFTLGWPLYLAFVNSGRPYDGFACFHFNAPLYNDRERLQIYISDAGILAVCYGL 240
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|
|
Db 181 MLTVQFTLGWPLYLAFVNSGRPYDGFACFHFNAPLYNDRERLQIYISDAGILAVCYGL 240
|
|
|
QY 241 YRYAAVQGVASWVCYGVPLLYNGFLVLTYYLQHTHPSLPHYDSSBMDLKGALATVDR 300
|
|
|
Db 241 YRYAAVQGVASWVCYGVPLLYNGFLVLTYYLQHTHPSLPHYDSSBMDLKGALATVDR 300
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|
|
QY 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPLIGETYYQFDGTPVVKAMMREA 360
|
|
|
Db 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPLIGETYYQFDGTPVVKAMMREA 360
|
|
|
QY 361 KECIYVEPDRQGEKGVFWYNNKL 384
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Db 361 KECIYVEPDRQGEKGVFWYNNKL 384
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|
|

RESULT 15

US-09-354-231B-14
; Sequence 14, Application US/09354231B
; Patent No. 6342658
; GENERAL INFORMATION:
; APPLICANT: Debonte, Lorin R.
; APPLICANT: Shortosh, Basil S.
; TITLE OF INVENTION: FATTY ACID DESATURASES AND MUTANT SEQUENCES THEREOF
; FILE REFERENCE: 07148-063002
; CURRENT APPLICATION NUMBER: US/09/354,231B
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: US 08/874,109
; PRIOR FILING DATE: 1997-06-12
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-354-231B-14

Query Match 99.2%; Score 2128; DB 3; Length 384;

Best Local Similarity 99.0%; Pred. No. 1.4e-222;

Matches 380; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGAGGRQVSPSPKSEETDINIKRVPCEPPTVGEELKKAIPHCPRKSIIPRSFSLIWDI 60
|
|
|
Db 1 MGAGGRQVSPSPKSEETDINIKRVPCEPPTVGEELKKAIPHCPRKSIIPRSFSLIWDI 60
|
|
|
QY 61 IASCFYVATYTPPLPHPLSYFAMPLYAACGCGVLTGVWVIAHCGHAFSDYQWLD 120
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|
|
Db 61 IASCFYVATYTPPLPHPLSYFAMPLYAACGCGVLTGVWVIAHCGHAFSDYQWLD 120
|
|
|
QY 121 TVGLIFHSFLVLPYFSWKYSHRRHNSNTGSLERDEVFVPPKKSDIKMYGKYLNNPLGRTV 180
|
|
|
Db 121 TVGLIFHSFLVLPYFSWKYSHRRHNSNTGSLERDEVFVPPKKSDIKMYGKYLNNPLGRTV 180
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|
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QY 181 MLTVQFTLGWPLYLAFVNSGRPYDGFACFHFNAPLYNDRERLQIYISDAGILAVCYGL 240
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Db 181 MLTVQFTLGWPLYLAFVNSGRPYDGFACFHFNAPLYNDRERLQIYISDAGILAVCYGL 240
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|
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QY 241 YRYAAVQGVASWVCYGVPLLYNGFLVLTYYLQHTHPSLPHYDSSBMDLKGALATVDR 300
|
|
|
Db 241 YRYAAVQGVASWVCYGVPLLYNGFLVLTYYLQHTHPSLPHYDSSBMDLKGALATVDR 300
|
|
|
QY 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPLIGETYYQFDGTPVVKAMMREA 360
|
|
|
Db 301 DYGLINKVFHNITDTHVAHHLFSTMPHYHAMEATKAIKPLIGETYYQFDGTPVVKAMMREA 360
|
|
|
QY 361 KECIYVEPDRQGEKGVFWYNNKL 384
|
|
|
Db 361 KECIYVEPDRQGEKGVFWYNNKL 384
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Tue Jan 4 12:19:34 2005

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Page 8

Search completed: January 4, 2005, 09:45:48
Job time : 27 secs
